Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**Genetics – We’re talking about your genes, not your Levi’s (although your shape may be determined in part by your genes.) ☺**

Resources, in addition to your textbook:

NIH Genetics Glossary @ <http://ghr.nlm.nih.gov/glossary> or Talking Glossary of Genetic Terms @ <http://www.genome.gov/Glossary/>

|  |  |  |  |
| --- | --- | --- | --- |
| Word | Definition | Example | Picture |
| **Heredity** | The passing on of traits from one generation to the next | My mom has a prominent chin and so do I – I inherited the gene that codes for this trait. My dad has brown eyes and so does my sister. She inherited the gene that codes for brown eyes from my father. | http://heredity-monash.wikispaces.com/file/view/DBZ_Simpsons_Family_Tree_by_Marruche_web.jpg/248588837/369x334/DBZ_Simpsons_Family_Tree_by_Marruche_web.jpg |
| **Genetics** | The study of heredity | Gregor Mendel, known as the “father of genetics,” studied how traits were passed down in pea plants. | http://ecx.images-amazon.com/images/I/51564ZZSWWL.jpg- |
| **Gene** |  |  | https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRb--znuDMflz6KDChaVmGQZiWjZfNzgLWxUCwKvDhBwkgvcrF0 |
| **Allele** |  |  |  |
| **DOMINANT** |  |  |  |
| **recessive** |  |  |  |
| **Genotype** |  |  |  |
| **Homozygous**  *“homo” = same* |  |  |  |
| **Heterozygous**  *“hetero” = different* |  |  |  |
| **Trait** |  |  |  |
| **Phenotype** |  |  |  |
| **Incomplete dominance** |  |  |  |
| **Co-dominance** |  |  |  |